

Abstract

A brake device for a construction machine, includes a first brake circuit, which is coupled to a first brake member on a first wheel axle of the machine, a second brake circuit, which is coupled to a second brake member on a second wheel axle of the machine, the first and second brake circuits being independent of one another, a pressure source for hydraulic oil, which is coupled to the first and second brake circuit, and a brake valve, which is coupled to the first and second brake circuit, which brake valve is designed to control the hydraulic oil from the pressure source to the brake members on the wheel axles. The first or second brake circuit includes limiting elements, which limit the pressure and/or flow of hydraulic oil when the brake valve controls the hydraulic oil from the pressure source to the brake members on the wheel axles.